



MAPLE REPORT JUNE 2010

Cooperating with New York Department of Agriculture and Markets

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NEW YORK MAPLE SYRUP PRODUCTION DOWN 29 PERCENT

New York maple syrup 2010 production decreased 29 percent from last year's production. Syrup production is estimated at 312,000 gallons, down from the 439,000 gallons produced in 2009 according to Stephen Ropel, Director of USDA's National Agricultural Statistics Service, New York Field Office. Only Vermont produced more syrup than New York. The number of taps, 1.90 million, increased 4 percent from last year. Syrup produced per tap averaged 0.164 gallons, down from 0.240 gallons in 2009. The final value of the 2009 crop is \$17.0 million, 28 percent above the previous year's value of production. The average price was \$40.60 per gallon equivalent for all sales.

The overwhelming majority of maple producers reported a poor season, although there was some variability by region. In general, temperatures started out too cold for sap flow and quickly turned too warm. The lack of below-freezing nights and above-freezing days resulted in a very short season. Producers tapping early took advantage of a few earlier than normal runs. Also, producers using a vacuum system fared better than those on gravity tubing or buckets. Sugar content across the State this year was low. Medium syrup accounted for 45 percent of production, with 39 percent dark and 16 percent light.

MAPLE SYRUP: Production and Value, New York, 2005-2010

Year	Syrup made ^{1/}	Average		Gallons of sap per gallon of syrup	Average price per gallon	Value of production
		First run began	Last run ended			
	<u>1,000 gals.</u>			<u>Gallons</u>	<u>Dollars</u>	<u>1,000 dollars.</u>
2005	222	Mar. 13	Apr. 5	41	31.70	7,037
2006	253	Mar. 7	Apr. 3	46	31.70	8,020
2007	228	Mar. 11	Apr. 9	46	33.50	7,638
2008	328	Mar. 8	Apr. 8	40	42.40	13,907
2009	439	Mar. 5	Apr. 4	43	40.60	17,823
2010	312	Mar. 4	Mar. 27	46	2/	2/

^{1/} Includes syrup later made into sugar. ^{2/} Available June 2011.

MAPLE SYRUP: Price by Type of Sales and Size of Container, New York, 2008-2009

Type and State	Gallons		½ Gallon		Quarts		Pints		½ Pint	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
Retail Wholesale	<u>Dollars</u>		<u>Dollars</u>		<u>Dollars</u>		<u>Dollars</u>		<u>Dollars</u>	
	38.10	40.10	22.90	24.10	14.00	14.90	8.85	9.40	5.85	6.25
	35.90	38.30	20.80	22.30	11.60	12.30	6.50	7.00	4.00	4.25
Bulk	Bulk All Grades		Bulk All Grades		Bulk All Grades		Bulk All Grades		All Sales	
	2008	2009	2008	2009	2008	2009	2008	2009	2008	2009
	<u>Dollars per pound</u>		<u>Dollars per pound</u>		<u>Dollars per gallon</u>		<u>Dollars per gallon</u>		<u>Equivalent per gallon</u>	
	3.15	2.73			34.70	30.00			42.40	40.60

MAPLE SYRUP: Production, Price, and Value by State and United States ^{1/}

State	Production			Average price per gallon		Value of production	
	2008	2009	2010	2008	2009	2008	2009
	<u>1,000 gallons</u>			<u>Dollars</u>		<u>1,000 dollars</u>	
CT	19	13	9	62.30	61.50	1,184	800
ME	240	395	310	36.80	32.90	8,832	12,966
MA	65	46	29	46.50	53.60	3,023	2,466
MI	105	115	82	41.00	45.00	4,305	5,175
NH	95	94	87	53.80	50.60	5,111	4,576
NY	328	439	312	42.40	40.60	13,907	17,823
OH	100	90	65	37.90	40.30	3,790	3,627
PA	100	92	54	38.30	38.10	3,830	3,505
VT	710	920	890	39.50	35.10	28,045	32,292
WI	150	200	117	39.10	36.70	5,865	7,340
U.S.	1,912	2,404	1,955	40.70	37.80	77,892	90,780

^{1/} Price and value for 2010 available June 2011.

MAPLE SYRUP: Percent Sold by Type of Sale, New York, 2006-2009

Type of sale	Percent			
	2006	2007	2008	2009
Retail	40	46	36	39
Wholesale	20	16	22	15
Bulk	40	38	42	46

LESS MAPLE PRODUCERS THAN 5 YEARS AGO

The number of maple syrup producers in New York reporting production in 2010 was 1,430, down 4 percent from the 1,485 producers accounted for in 2005. The number of taps totaled 1.90 million compared with 1.42 million in 2005, an increase of 34 percent. This resulted in a 39 percent increase in the number of taps per producer from 956 taps in 2005 to 1,331 taps in 2010. Production totaled 312,000 gallons of syrup. This compares to the peak production in the last decade of 439,000 gallons in 2009 and the low of 210,000 gallons in 2003

This year, New York conducted a State sponsored Maple Census, which allowed for extra data collection efforts. With the support and assistance of the maple industry, the New York Field Office also undertook an extensive list building process. Approximately 1,800 names were contacted to determine if they made syrup during the 2010 sugaring season and set at least 100 taps. This led to a significant increase in taps and production from previous years, and therefore revised estimates for 2009.

MAPLE SYRUP: Producers, Taps, and Production, New York, 1995, 2000, 2005, and 2010

	1995	2000	2005	2010
Number of Producers ^{1/2}	1,450	1,525	1,485	1,430
Number of Taps	1,555,000	1,257,000	1,420,000	1,903,000
Gallons of Syrup	208,000	210,000	222,000	312,000
Gallons per Tap	0.134	0.167	0.156	0.164
Taps per Producer	1,072	824	956	1,331

^{1/2} A producer is defined as a syrup maker with 100 or more taps.

MAPLE OPERATION CHARACTERISTICS, NEW YORK, 2010

The tables below show some special characteristics of maple syrup operations captured by the 2010 Maple Census. Almost 85 percent of all taps in New York are on tubing. Approximately 56 percent are on vacuum, while 29 percent are gravity. The remaining 15 percent of taps are on buckets or bags. Approximately 75 percent of all syrup producers use a wood-fired evaporator to convert sap to syrup, and 18 percent of producers used check valve spouts. Over one-third of producers have been operating for more than 30 years, while only 5 percent have been producing for less than 5 years.

One-quarter of all operations obtain 1 percent or less of their total income (before expenses) from maple syrup. Maple production for many New York families remains a strong tradition, even though it is not their main source of income. Meanwhile, 11 percent receive more than half their total income from maple syrup. This is higher than the 5 percent found from the 2005 Maple Census.

Total Taps by Type, New York, 2010

Type	Percent of Total Taps
On Buckets or Bags	15.3
On Gravity Tubing	28.9
On Vacuum Tubing	55.8
State Total	100.0

Number of Years Operating, New York 2010

Number of Years	Percent of Total Operations	Percent of Total Taps
1-4	5.3	3.0
5-9	11.8	6.2
10-29	46.0	44.5
30+	36.9	46.3
State Total	100.0	100.0

Types of Maple Equipment Used, New York, 2010

Type of Equipment	Percent of Operators	Percent of Taps	Type of Equipment	Percent of Operators	Percent of Taps
Wood Fired Evaporator	74.6	58.7	Pumped Vacuum	29.2	58.8
Oil Fired Evaporator	24.9	41.8	Check Valve Spouts	17.8	34.7
RO	24.3	54.6	5/16 Inch Spouts	52.0	64.7
UV Light	9.9	19.3	7/16 Inch Spouts	35.9	28.8
Evaporator Enhancements	42.8	54.1	1/4 Inch Spouts	5.4	7.9
Air Bubbler	4.9	11.7			

**Percent of Total Income from Maple (Before Expenses),
New York, 2010**

Percent of Income	Percent of Total Operations	Average Number of Taps per Operation
1 percent or less	25.0	557
1.1 - 9.9 percent	30.8	1,076
10.0 - 49.9 percent	33.0	2,750
50 percent or greater	11.2	5,471
State Total	100.0	1,331

**Years Producing and Percent of Income by Number of Taps
New York 2010**

Number of Taps	Average Years	Average Percent of Income
100 to 249	20	3
250 to 499	22	6
500 to 999	25	9
1000 to 1499	26	10
1500 to 4999	27	21
Over 5000	33	42
State Total	25	15

Syrup Yield by Number of Taps, New York, 2010

Number of Taps	Syrup		Taps	
	Average Gallons	Gallons per Tap	Average Taps	Taps per Gallon
100 to 249	18	0.112	160	8.940
250 to 499	38	0.101	397	9.906
500 to 999	102	0.117	641	8.524
1000 to 1499	140	0.135	1,122	7.412
1500 to 4999	435	0.150	2,685	6.673
Over 5000	2,035	0.190	10,390	5.262
State Total	218	0.164	1,331	6.099

Tapping Systems by Size Group, New York, 2010

Number of Taps	Buckets or Bags		Gravity Tubing		Vacuum Tubing	
	Average Number of Taps	Percent of Total Taps on Buckets or Bags	Average Number of Taps	Percent of Total Taps on Gravity Tubing	Average Number of Taps	Percent of Total Taps on Vacuum Tubing
100 to 249	109	50.8	119	47.5	148	1.7
250 to 499	166	31.6	289	57.0	355	11.4
500 to 999	254	24.6	552	48.3	581	27.1
1000 to 1499	474	22.7	872	41.7	784	35.6
1500 to 4999	619	16.1	1,738	31.6	2,322	52.3
Over 5000	2,421	8.9	2,387	17.5	7,853	73.6
State Total	598	15.3	928	28.9	2,463	55.8

Percent of Types of Maple Equipment by Number of Taps, New York, 2010

Number of Taps	Wood Fired Evaporator	Oil Fired Evaporator	RO Reverse Osmosis	Ultra Violet Light	Evaporator Enhancements	Air Bubbler	Pumped Vacuum	Check Valve Spouts	5/16 Inch Spouts	7/16 Inch Spouts	1/4 Inch Spouts
100 to 249	18	3	1	3	9	3	1	2	12	22	8
250 to 499	21	10	4	3	14	8	6	5	16	17	23
500 to 999	24	21	12	19	25	8	19	17	23	23	16
1000 to 1499	13	16	16	15	14	20	16	17	12	12	15
1500 to 4999	18	31	42	38	26	33	36	36	25	19	23
Over 5000	6	19	25	22	12	28	22	23	12	7	15
State Total	100	100	100	100	100	100	100	100	100	100	100

Bulk Sales for 2009 Crop Sold, by Location		Syrup Stocks for 2009 Crop, New York		2009 Crop Syrup Used for Value Added Products	
Location	Percent of Bulk Sales	Time Period Syrup Sold	Percent Sold	Value Added Product	Percent of Production Used by Value-Added Producers
Sold Within NY	46	Sold by May 1	30	Molded Maple Sugar	3.8
Sold Outside NY	54	Sold between May 1 and Sept 1	29	Granulated Sugar	1.3
		Sold between Sept 1 and Dec 31	36	Maple Cream	3.4
		Carried Over into 2010	5	Other Value-Added Products	0.1
State Total	100	State Total	100		

SPECIAL MAPLE ENUMERATION
Summary by Counties, New York, 2010 ^{1/}

County	Number of Producers	Number of Taps	Syrup Produced (Gallons)		Average Season Dates	
			Per Tap	Total	Opened	Closed
Albany	13	7,006	0.098	687	Mar. 7	Mar. 29
Alleghany	58	73,312	0.155	11,335	Mar. 6	Mar. 30
Broome	22	20,579	0.082	1,680	Mar. 3	Mar. 22
Cattaraugus	58	74,799	0.107	7,994	Mar. 7	Mar. 27
Chautauqua	50	67,598	0.147	9,960	Mar. 5	Mar. 28
Chemung	8	3,065	0.071	218	Mar. 3	Mar. 26
Chenango	44	49,479	0.183	9,044	Mar. 3	Mar. 23
Clinton	52	165,345	0.266	43,957	Mar. 1	Mar. 29
Columbia	20	5,515	0.095	526	Mar. 2	Mar. 28
Cortland	32	31,967	0.103	3,287	Mar. 5	Mar. 27
Delaware	57	71,471	0.068	4,887	Mar. 3	Mar. 24
Dutchess	8	6,981	0.105	730	Feb. 18	Mar. 22
Erie	28	29,736	0.167	4,955	Mar. 5	Mar. 28
Essex	31	33,836	0.268	9,065	Mar. 5	Apr. 1
Franklin	39	50,616	0.170	8,624	Mar. 6	Mar. 31
Genesee	14	8,240	0.129	1,064	Mar. 6	Mar. 20
Greene	20	19,282	0.057	1,099	Mar. 6	Mar. 27
Hamilton	6	6,760	0.123	833	Mar. 5	Mar. 30
Herkimer	20	9,866	0.208	2,049	Mar. 8	Mar. 30
Jefferson	26	25,407	0.209	5,302	Mar. 2	Mar. 26
Lewis	125	238,129	0.156	37,210	Mar. 4	Mar. 31
Livingston	9	8,778	0.240	2,103	Mar. 11	Mar. 30
Madison	25	26,256	0.132	3,463	Mar. 4	Mar. 24
Montgomery	13	61,009	0.165	10,095	Mar. 4	Mar. 26
Niagara	3	1,281	0.105	135	Mar. 2	Apr. 7
Oneida	18	14,674	0.186	2,728	Mar. 2	Mar. 26
Onondaga	9	7,408	0.141	1,047	Mar. 4	Mar. 27
Ontario	20	13,107	0.116	1,515	Mar. 1	Mar. 25
Orange	7	2,472	0.067	166	Feb. 28	Mar. 26
Orleans	6	10,035	0.130	1,306	Feb. 26	Mar. 25
Oswego	24	14,559	0.086	1,255	Feb. 28	Mar. 25
Otsego	47	99,774	0.090	9,015	Mar. 5	Mar. 26
Putnam	7	5,476	0.106	579	Feb. 24	Mar. 15
Rensselaer	22	9,995	0.155	1,552	Feb. 27	Mar. 22
St. Lawrence	115	158,767	0.192	30,522	Mar. 4	Mar. 29
Saratoga	18	17,924	0.110	1,977	Feb. 28	Mar. 31
Schoharie	29	43,249	0.108	4,683	Mar. 4	Mar. 29
Schuyler	18	6,082	0.065	396	Mar. 8	Mar. 21
Seneca	5	618	0.113	70	Feb. 27	Mar. 14
Steuben	44	29,375	0.085	2,500	Mar. 6	Mar. 29
Sullivan	11	9,697	0.109	1,055	Mar. 4	Mar. 28
Tioga	23	11,389	0.058	659	Feb. 28	Mar. 20
Tompkins	11	3,167	0.205	648	Mar. 2	Mar. 30
Ulster	19	16,431	0.135	2,213	Mar. 3	Mar. 24
Warren	11	7,016	0.183	1,282	Mar. 3	Mar. 27
Washington	45	85,293	0.192	16,379	Feb. 27	Mar. 28
Wayne	10	5,424	0.105	571	Feb. 27	Mar. 24
Wyoming	74	181,093	0.219	39,607	Mar. 6	Mar. 31
Yates	25	10,375	0.166	1,718	Feb. 28	Mar. 29
Other ^{2/}	31	43,287	0.191	8,255	-	-
State Total	1,430	1,903,000	0.164	312,000	Mar. 4	Mar. 27

^{1/} Data is summarized in the operation's principal county. ^{2/} Other includes Cayuga, Fulton, Monroe, Schenectady, Suffolk, and Westchester.